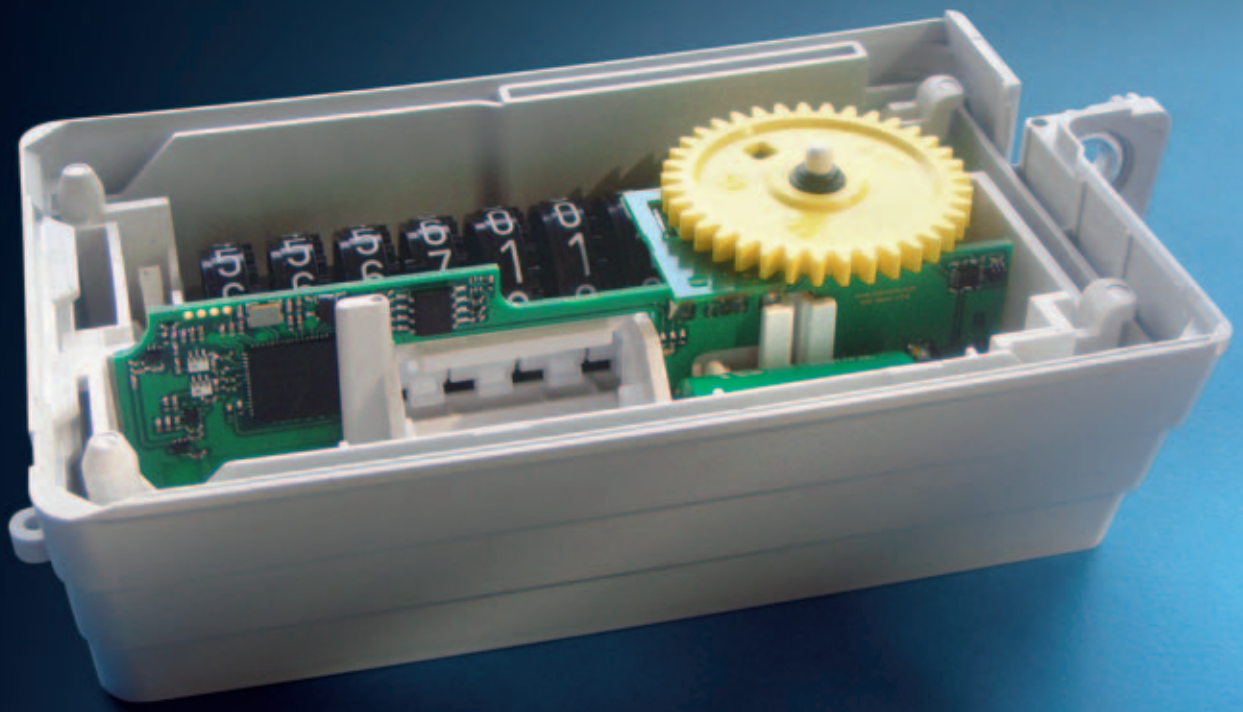
CASON



DW 4300 UG

BUILT-IN WIRELESS DATA ACQUISITION FROM GAS METERS FOR HOUSEHOLDS

The DW 4300 UG is an independent industrial wireless network endpoint used for collecting and forwarding data from utility meters. The device can be installed directly into the display case of the gas meters without the need of any additional fittings. The device is completely autonomous. The use of Zig-C technology means that communication is wireless and power consumption is so low that the internal batteries will last for more than 5 years.
Based on the configuration, the device then constantly monitors the consumption as measured by the meter and transmits that data to the central database.
Monitoring of the gas meters is practically continuous, so the system is fully suited to the strict requirements of the liberalized market and appropriate to minimize losses on last miles. The hourly and daily peaks and consumption habits can be analyzed to make trends and prognostic evaluations.
By using the wireless data collection solution the household gas consumer usage can now be integrated into the central Gas Management or Balance Systems of modern energy distributors. CASON's DIWICON-U system offers optimal solution to reduce losses on last miles and to improve the quality of the service.

BENEFITS

- Protection against removing
- Protection against external magnetization
- Improved power of data transmission (100mW – 3 km range in case of direct sight)
- Self-diagnostic, remote management
- Modular, scalable system structure

FEATURES

- Wireless communication based on 802.15.4 standard
- Data reading directly from the pulse output of the gas meter
- High capacity, long-life internal batteries
- Remote configuring and software update

TECHNICAL DATA

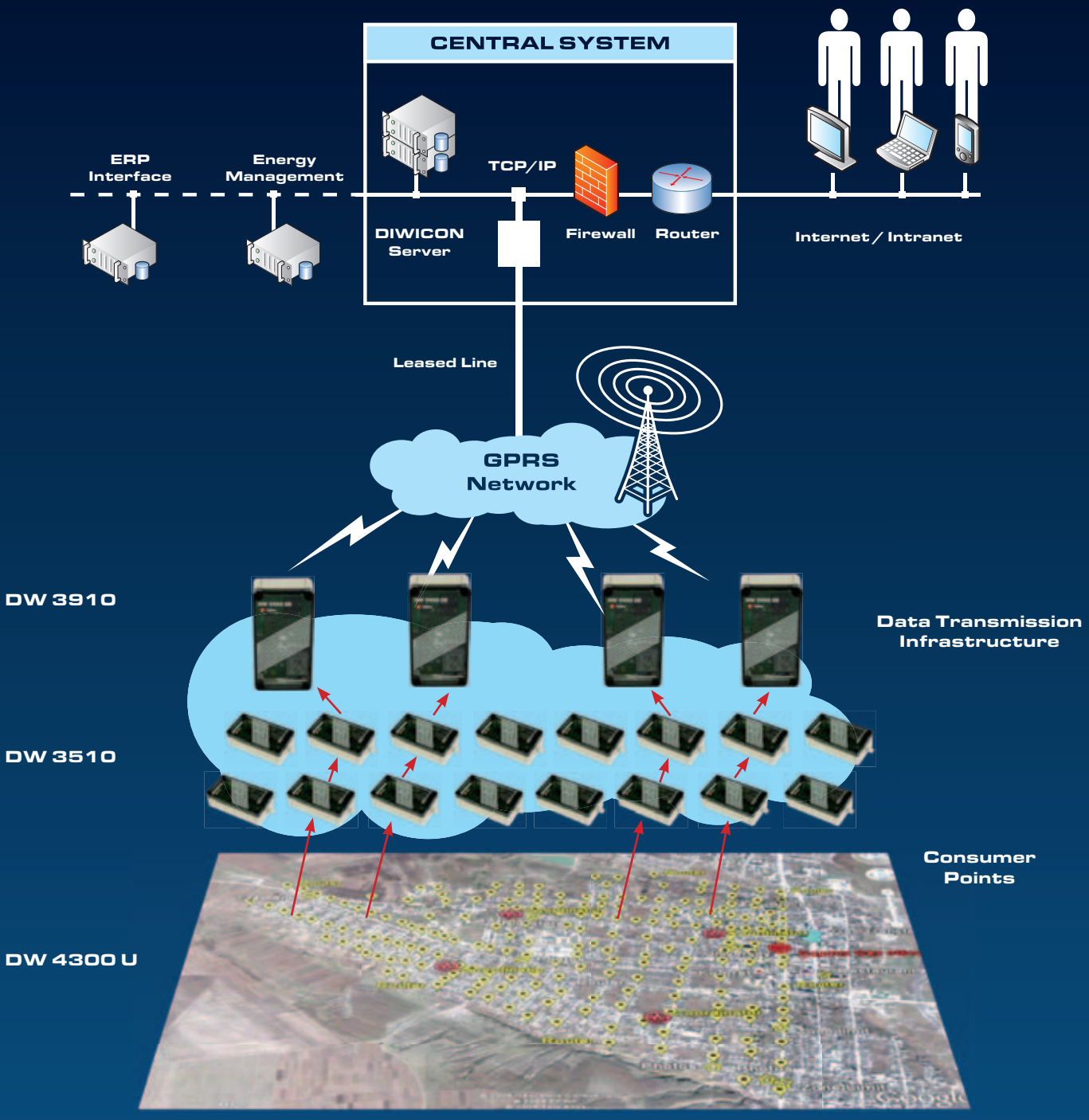
Internal power:	1 db 3.6 V DC Li Ion battery
Operational temp. range:	- 20°C to +60°C
Storage temp.range:	- 40°C to +80°C
Relative humidity:	5% to 95% (non condensed)
Dimensions (L x W x H):	100 x 30 x 35 mm

RF MODEM FEATURES

- **IEEE 802.15.4 accordance, 250 kbps data transfer speed**
- **16 channels in 2.4 GHz ISM frequency range**
- **100 mW output power**
- **Receiver sensitivity < -92 dBm 1% PER**

APPLICATION

The compact built-in design enables to setup high reliability system which can be fully supervised by the service provider. The modular structure offers to setup flexible data collecting system for large areas even in several steps.



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